

Serial No. 10/736,650  
Docket No. SUPERCON 23  
Amendment B UNDER RULE 116  
and Telephone Interview Summary

**AMENDMENTS TO THE CLAIMS:**

Kindly amend claim 1 as shown below.

This listing of claims will replace all prior versions and listings of claims in the Application:

**Claim 1 (currently amended):** A process for making superconducting material useful for forming electrolytic devices comprising the steps of:

- a) establishing multiple niobium or tantalum components in a primary billet of a ductile material;
- b) working the primary billet to a series of reduction steps to form said niobium or tantalum components into elongated elements;
- c) cutting the elongated elements from step b) and forming the cut elements into a stack around a metal core;
- d) surrounding the stack of cut and stacked elements from step c) with a porous confining layer to form a secondary billet;
- e) working the secondary billet from step d) through a series of reduction steps[[;]], including twisting and rolling, to flatten the elements into thin ribbon with an Aspect Ratio of greater than 5:1;
- f) cutting the worked billet from step e) into sections; and
- g) leaching the core and sheath at least in part.

**Claim 2 (original):** The process of claim 1, wherein said leaching is in an acid leach.

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**Claim 3 (original):** The process of claim 1, wherein said leaching step is in a liquid metal bath.

**Claim 4 (original):** The process of claim 3, wherein said liquid metal bath comprises molten magnesium.

**Claim 5 (previously presented):** The process of claim 1, wherein said porous confining layer contains a gap that renders the confining layer circumferentially discontinuous, but overlapping.

**Claim 6 (previously presented):** The process of claim 1, wherein said porous confining layer contains a gap that renders the confining layer circumferentially discontinuous.

**Claim 7 (original):** The process of claim 1, wherein several separate segments are used to construct a multi anode capacitor assembly.

**Claim 8 (original):** An electronic device made from the superconductor material formed by the process of claim 1.

**Claim 9 (original):** An electrolytic capacitor made from the superconductor material formed by the process of claim 1.

**Claim 10 (previously presented):** The process of claim 1, wherein said metal core consists of a single metal rod.

**Claim 11 (previously presented):** The process of claim 10, wherein said single metal rod has a cross-sectional area not exceeding 20% of said secondary billet before working.

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**Claim 12 (previously presented):** The process of claim 1, wherein the Aspect Ratio is 40:1.

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